



**CAVALIER 13**  
ROUND & SQUARE  
BOLLARD LIGHTING

PEMCO's CAVALIER & CAVALIER Cutt Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace HID lighting systems up to 175w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

**Housing:** Extruded Aluminum Housing with Flush Mounting Base, Flat Top, Sealed Driver Compartment.

**Listing & Ratings:** CSA Listed for Wet Locations, ANSIUL 1598, 8750 1980 Sealed LED Compartment.

**Finish:** Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Lens:** Clear UV-Stabilized Polycarbonate or Sealed LED Lenses Opt UV-Stabilized Polycarbonate Vandal-Resistant Lens to Seal LED Array.

**Mounting Options:** Mounting for with 8" Zinc-Plated Anchor Bolts, Included.

**EasyLED LED:** Aluminum Housing, Array, 24w, System 27°C (70w HID Equivalent).

**Driver:** Electronic Driver, 120-277V, 5000Hz, Less Than 20% THD and PF-High, Standard Internal Surge Protection 250V 0.50A Dimming Standards for a Dimming Range of 100% to 10%, Dimming Source Current to 150 Microamps.

**Controls:** Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing, Remote Direct Wired Interface 4-20V Dimming is Not Included and May Not Be Available. Power Control Factory. Fixtures with 1-10V Dimming are Not Included and May Not Be Available. Power Control Factory. Fixtures with 1-10V Dimming are Not Included and May Not Be Available. Power Control Factory. Fixtures with 1-10V Dimming are Not Included and May Not Be Available. Power Control Factory.

**Warranty:** 5-Year Warranty for -40°C to +50°C Environment. See Page 3 for Projected Lumen Maintenance Table.

Quick Ship option for Standard heights & colors only

Order Information Example: CAV13RF1X16USKCZ36SF

Model	Optics	Wattage	Driver	CCY	Lens	Color	Height	Options
CAV13R-Round Bollard	Prisms Beam Spread	1X16-15w	U-120-277V	3K-3000K	Q-Clear UV-Stabilized Polycarbonate Lens	Z-Bronze	13"	8F-Single Face
CAV13R-Square Bollard	Prisms Beam Spread	1X16-15w	U-120-277V	3K-3000K	Q-Clear UV-Stabilized Polycarbonate Lens	Z-Bronze	13"	8F-Single Face



**SWAN2**  
STRAIGHT SHADE  
GOOSENECKS

PEMCO's Swan2 Vaporproof Straight Shade Gooseneck LED light luminaire is available up to 175w MH or HPS. This vapor resistant fixture can withstand extreme physical and environmental abuse and is ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Designed for architectural wall mounting up to heights of 20 feet based on light level and uniformity requirements.

**SWAN2 Specifications and Features:**

**Housing:** Heavy Duty, 30" Cast Aluminum Housing with Integral Heat Sinking, 5/8" NPS Threaded Mount.

**Listing & Ratings:** CSA Listed for Wet Locations, ANSIUL 1598, 8750.

**Finish:** Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Lens:** Flat Clear Tempered Glass Lens.

**Mounting:** Flush Mount.

**EasyLED LED:** Heavy Duty, 30" Cast Aluminum Housing with Integral Heat Sinking, 5/8" NPS Threaded Mount.

**Listing & Ratings:** CSA Listed for Wet Locations, ANSIUL 1598, 8750.

**Finish:** Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Lens:** Flat Clear Tempered Glass Lens.

**Mounting:** Flush Mount.

**Gooseneck Arm Specifications and Construction:** Heavy-Duty 1/2" Aluminum Arms with 1/2" NPS Threads on Finish Mounting End.

**Finish:** Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Mounting Options:** Mount with 1/2" Square or Round Mounting Plates.

Order Information Example: SWAN2F1X23USKGNFDF

Model	Optics	Wattage	Driver	CCY	Color	Mounting	Options
SWAN2F-Prism Mount Vaporproof	P-Type V	1X23-20w	U-120-277V	3K-3000K	P-Polycarbonate Lens, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount	U-120-277V	8F-Single Face

Order Information Example: GNA01336RS

Model	Length	Color	Mounting	Model	Color
GNA013-Classic Hook	30-36"	P-Polycarbonate Lens, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount	U-120-277V	V330R-Straight Shade	P-Polycarbonate Lens, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount, 1/2" NPS Threaded Mount

PROPERTY LINE	
PROPOSED STRIPING	
PROPOSED BUILDING	
PROPOSED BUILDING LINE ABOVE	
PARKING COUNT	11
PROPOSED CURBING	
PROPOSED BITUMINOUS CONCRETE	
PROPOSED LANDSCAPED AREA	
WALL PACK LIGHTING UNIT	
BOLLARD LIGHT	

OWNER: Angiullo Management Group Inc. 99 Walnut Street Saugus, MA 01906

DWG. NO. C-4

PROJECT: Site Development Plan 39 & 41 Hillside Avenue Amesbury, Massachusetts

DESIGN BY: Max Friedman

PREPARED BY: Engineering Alliance, Inc. Civil Engineering & Land Planning Consultants 194 Central Street Portsmouth, NH 03801 Tel: (603) 610-7100 Fax: (603) 610-7101

DATE: 11/30/21

ADD PHOTOMETRICS

REVISED PER DESIGN REVIEW COMMENTS

DESCRIPTION OF REVISION